

Activities Implemented by Yayasan Gambut in Temiang Village

Red Ginger Demonstration Demplot

The Makmur Jaya Women Farmers Group practices zero-burning peatland farming in their red ginger demonstration

Coffee Agroforestry Demplot

The Makmur Jaya Women Farmers Group in Temiang Village together with Yayasan Gambut and support from the Global Environment Centre carried out Liberika Coffee Agroforestry activities in a rubber plantation on peatland with an area of 1 hectare.

Support for Local Products

Yayasan Gambut provides assistance in product packaging, as well as promoting and marketing all products of the Makmur Jaya Women Farmers Group, both locally and internationally, through various events and working visits.

Financial Management

Training for the group members in financial management and creating financial reports. This is an important part of the group's capacity building, as they produce a wide range of products.

Support in the form of 2 canal blocks in fire-prone spots.

Canal blocking

Coffee Nursery

The Makmur Jaya Women Farmers Group in Temiang Village organised a nursery for 5,000 Liberika coffee seeds, sourced from the Meranti Islands. The seeds were planted in shaded beds and watered daily, except during rainy season. After 2-3 months, the coffee seedlings were transferred to polybags once they had grown.

Support in the form of display board with information on the current level of land fire danger, using the water table as a real-time indicator.

FDRS Information Board

Product List of the Makmur Jaya Women Farmers Group



Clothing products with natural dyes



Natural textile dyes



Textile products with natural dyes



Aromatic Ginger Beverage Products



Red Ginger Beverage Products



Textile products with natural dyes



Eco-friendly dish soap



Snack products from peatland farming



Sustainable Peatland Management in Temiang Village, Bukit Batu Sub-District, Bengkalis Regency

Benefits of Peatland

Peatland is a type of wetland formed from piles of organic matter such as tree remains, grass, moss and decaying animal carcasses that are buried in the ground. Indonesia has the largest peatlands among tropical countries, which is around 21 million hectares, distributed over the islands of Sumatra, Kalimantan and Papua.

Protect the environment from climate change

Peatlands can absorb 550 gigatonnes of carbon or about 30% of the carbon in the world's soil. Meanwhile, peatlands in Indonesia can store up to 57 gigatonnes of carbon or about 20 times more than other types of forests and soil can store.

Reducing the adverse effects of floods and droughts

Peat forest has a very high absorption capacity, it can hold water even up to 450 to 850 percent of its dry weight, or around 90 percent of its volume.

Natural habitat of various biodiversity

Several endangered species of animals that live in peat areas are orang utans (*Pongo spp.*), red langurs (*Presbytis rubicunda*), Bornean clouded leopards (*Neofelis diardi borneensis*), swamp forest cranes (*Ciconia stormi*), and white-winged geese (*Asarcornis scutulata*).

Support the economy

Peat soil is a natural habitat for several plants with economic value, including Rattan, Rubber, Pineapple, Tembu, Sago, coconut, etc.

Yayasan Gambut Partner: The Makmur Jaya Women Farmers Group

The Makmur Jaya Women Farmers Group in Temiang Village together with Yayasan Gambut and support from the Global Environment Centre carry out activities for sustainable peatland management in agriculture.

Currently there are approximately 20 women who are members of the Makmur Jaya Women's Farmers Group. This Group cares about the environment and produces environmental friendly products through it's programme

Prosperity in peatlands

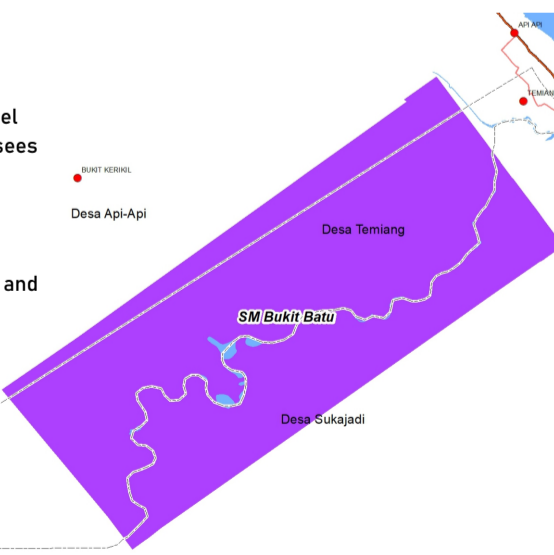
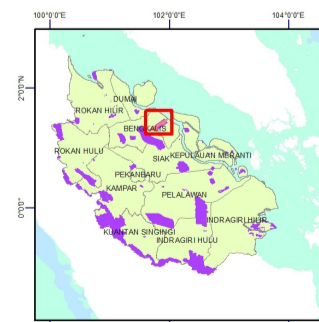
Yayasan Gambut and the Makmur Jaya Women Farmers Group in Temiang Village agreed to put forward the concern for sustainability in peatlands in every activity and product that they produce.

Currently, this Group has produces and sell a number of the environmentally-friendly products in the market.

Peat potential of Temiang Village

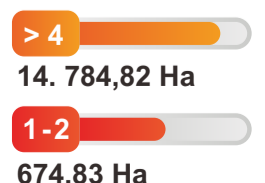
Temiang Village has a peatland area of 15.549,65 hectares, which means that it also has a high level of risk of land and forest fires. Yayasan Gambut sees this condition as opportunity for collaboration.

Considering that Temiang village is located in conservation area and extensive peatlands, it is important for us to protect the peat from the fire and practise sustainable peatland management.



Temiang Village has a peatland distribution of 15.459,65 hectares with an average depth of 1-4 meters

Depth of peat in Temiang Village (meter)



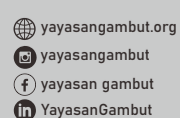
Temiang Village, Bukit Batu Sub District, Bengkalis Regency

Temiang Village is a village bordering Api-Api Village, Lubuk Gaung Village and Sukajadi Village. The existence of these villages are located within the Giam Siak Kecil Bukit Batu Landscape.

Temiang Village lies within the Bukit Batu Wildlife Reserve area which has exotic flora and fauna whose existence is protected. The Bukit Batu Wildlife Reserve has an area of around 21,500 hectares.

Yayasan Gambut

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